

Commonwealth of Massachusetts  
Department of Telecommunications and Energy  
Fitchburg Gas and Electric Light Company  
Docket No: DTE 02-84  
Department's First Set of Information Requests

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**Request No.: DTE-1-18**

Please provide in a table for the years 1998 through 2003, Fitchburg's estimated and actual transmission expense, the allocator used to collect the expense from each rate class, the percentage of the transmission expense allocated to each rate class, each rate class' forecasted and actual kilowatthour ("KWH") sales, revenues collected from each rate class, and each rate class' transmission charge.

**Revised Response:**

Attachment DTE-1-18 provides the requested data for both the External and Internal Transmission Charges for the March 1998 through December 2003 time period. Page 1 of 4 provides the requested data for the External Transmission Charge. Page 2 of 4 provides data for Internal Transmission Charge, except for the rates. Pages 3 and 4 of 4 provide the rates for Internal Transmission Charge.

For the External Transmission Charge, all costs are recovered through a uniform per kWh rate for all customer classes; there is no percentage allocated to rate class because FG&E does not allocate these expenses by rate class. For the Internal Transmission Charge, the base charges contained in FG&E's rate schedules were established by the Department's approval of FG&E's Restructuring Plan, originally created as part of FG&E's March 3, 1997 Rate Unbundling Compliance Filing. Any costs above or below the amount collected through the base component are recovered through a uniform per kWh adjustment (the Internal Transmission Service Cost Adjustment or ITSCA). Therefore, these expenses are not allocated by rate class either.

The kWh sales shown on Attachment DTE-1-18, pages 1 and 2, have been corrected.

**Person Responsible: Karen M. Asbury**

Fitchburg Gas and Electric Light Company  
External Transmission

Attachment DTE-1-18 Rev  
Page 1 of 4

	1998 (1) <u>Actual</u>	1999 <u>Actual</u>	2000 <u>Actual</u>	2001 <u>Actual</u>	2002 <u>Actual</u>	2003 <u>Estimated</u>
External Transmission Charge (All classes)	\$0.00394	\$0.00394/\$0.00356 (2)	\$0.00457	\$0.00445	\$0.00158	\$0.00382
Transmission Expense	\$1,451,942	\$1,931,484	\$1,781,624	\$1,618,253	\$1,974,374	\$1,632,425
<u>kWh Sales</u>						
R-1	107,955,234	142,040,051	144,707,301	147,526,931	151,813,881	152,213,245
R-2	6,927,779	7,805,935	7,563,281	9,448,342	11,330,187	11,554,844
R-4 (3)	36,098	51,268	59,765	55,628	60,561	n/a
G-1	3,332,476	4,600,083	4,421,910	4,710,680	4,504,715	3,973,049
G-2	81,362,140	101,973,138	103,794,827	104,555,544	106,120,692	104,957,207
G-3	149,651,494	201,578,698	200,848,537	184,934,490	210,057,009	225,506,990
G-4	631,890	357,677	362,293	451,020	415,732	441,450
WH and/or SH G-5	691,084	912,353	985,978	977,436	865,622	990,760
G-6 (3)	0	0	0	0	0	n/a
Spec Contract	22,061,478	9,475,082	1,492,709	171,872	154,614	155,603
Energy Bank (4)	25,791,014	30,299,959	3,076,744	0	n/a	n/a
OL	2,728,197	3,077,145	3,100,679	3,136,803	3,138,558	3,143,883
Total Sales	401,168,884	502,171,389	470,414,024	455,968,746	488,461,571	502,937,031
<u>Revenues</u>						
R-1	\$402,673	\$530,540	\$653,270	\$657,589	\$264,579	\$551,012
R-2	\$25,659	\$29,224	\$34,150	\$42,105	\$19,623	\$41,829
R-4(3)	\$141	\$192	\$271	\$248	\$103	n/a
G-1	\$12,565	\$17,188	\$20,083	\$20,985	\$7,678	\$14,382
G-2	\$310,578	\$379,891	\$469,981	\$464,669	\$178,781	\$379,945
G-3	\$588,058	\$749,409	\$916,230	\$773,600	\$338,377	\$816,335
G-4	\$2,147	\$1,334	\$1,654	\$2,008	\$648	\$1,598
WH and/or SH G-5	\$2,486	\$3,454	\$4,431	\$4,363	\$1,599	\$3,587
G-6 (3)	\$0	\$0	\$0	\$0	\$0	n/a
Spec Contract	\$171,051	\$34,440	\$4,419	\$765	\$244	\$563
Energy Bank (4)	\$40,273	\$168,626	\$17,060	\$0	n/a	n/a
OL	\$9,093	\$11,247	\$13,847	\$13,924	\$5,202	\$11,381
External Supplier	\$0	\$0	\$1,197	\$50,808	\$0	\$0
Total Revenues	\$1,564,722	\$1,925,544	\$2,136,593	\$2,031,063	\$816,834	\$1,820,632

- (1) Reflects data from March through December 1998.  
(2) \$0.00394 effective January 1, 1999; \$0.00356 effective June 1, 1999.  
(3) Rate class discontinued as approved by the Department in DTE 02-24/25, December 2, 2002.  
(4) The Energy Bank Delivery Service Schedule EBD, M.D.T.E. No. 66, was cancelled effective June 1, 2001.

	1998 (1) <u>Actual</u>	1999 <u>Actual</u>	2000 <u>Actual</u>	2001 <u>Actual</u>	2002 <u>Actual</u>	2003 <u>Estimated</u>
Internal Transmission Charge - See pages 3 and 4						
Transmission Expense	\$647,700	\$765,850	\$746,658	\$765,503	\$788,271	\$800,640
<u>kWh Sales</u>						
R-1	107,955,234	142,040,051	144,707,301	147,526,931	151,813,881	152,213,245
R-2	6,927,779	7,805,935	7,563,281	9,448,342	11,330,187	11,554,844
R-4 (2)	36,098	51,268	59,765	55,628	60,561	n/a
G-1	3,332,476	4,600,083	4,421,910	4,710,680	4,504,715	3,973,049
G-2	81,362,140	101,973,138	103,794,827	104,555,544	106,120,692	104,957,207
G-3	149,651,494	201,578,698	200,848,537	184,934,490	210,057,009	225,506,990
G-4	631,890	357,677	362,293	451,020	415,732	441,450
WH and/or SH G-5	691,084	912,353	985,978	977,436	865,622	990,760
G-6 (2)	0	0	0	0	0	n/a
Spec Contract	22,061,478	9,475,082	1,492,709	171,872	154,614	155,603
Energy Bank (3)	25,791,014	30,299,959	3,076,744	0	n/a	n/a
OL	2,728,197	3,077,145	3,100,679	3,136,803	3,138,558	3,143,883
Total Sales	401,168,884	502,171,389	470,414,024	455,968,746	488,461,571	502,937,031
<u>Revenues</u>						
R-1	\$86,883	\$399,399	\$298,840	\$276,709	\$349,780	\$299,860
R-2	\$5,697	\$21,608	\$15,604	\$17,714	\$26,124	\$22,763
R-4(2)	\$20	\$127	\$106	\$89	\$125	n/a
G-1	\$2,615	\$12,781	\$8,864	\$8,678	\$10,272	\$7,708
G-2	\$54,318	\$277,136	\$192,441	\$175,567	\$222,885	\$191,744
G-3	(\$7,140)	\$416,581	\$216,518	\$180,042	\$306,426	\$226,694
G-4	\$135	\$709	\$363	\$287	\$289	\$505
WH and/or SH G-5	\$473	\$2,168	\$1,975	\$1,741	\$1,893	\$1,853
G-6 (2)	\$0	\$0	\$0	\$0	\$0	n/a
Spec Contract	\$32,739	\$32,688	\$13,088	\$3,981	\$4,344	\$3,851
Energy Bank (3)	\$2,240	\$20,837	\$6,517	\$0	n/a	n/a
OL	\$18,217	\$24,448	\$15,965	\$16,747	\$15,667	\$15,908
External Supplier	\$0	\$0	\$331	\$9,939	\$0	\$0
Total Revenues	\$196,195	\$1,208,482	\$770,613	\$691,494	\$937,806	\$770,885

(1) Reflects data from March through December 1998.

(2) Rate class discontinued as approved by the Department in DTE 02-24/25, December 2, 2002.

(3) The Energy Bank Delivery Service Schedule EBD, M.D.T.E. No. 66, was cancelled effective June 1, 2001.

Fitchburg Gas and Electric Light Company  
Summary of Internal Transmission Rates

Service	Blocks	Effective March 1, 1998 through January 31, 1999		Effective February 1, 1999 through May 30, 1999		Effective June 1, 1999 through December 31, 1999		Effective January 1, 2000 through December 31, 2000		Effective January 1, 2001 through December 31, 2001		Effective January 1, 2002 through December 31, 2002		Effective January 1, 2003 through December 31, 2003	
		Internal Transmission (1)		Internal Transmission	ITSCA	Internal Transmission	ITSCA	Internal Transmission	ITSCA	Internal Transmission	ITSCA	Internal Transmission	ITSCA	Internal Transmission	ITSCA
Standard R-1	All kWh	\$0.00085		\$0.00192	\$0.00195	\$0.00192	\$0.00004	\$0.00192	\$0.00005	\$0.00192	\$0.00005	\$0.00192	\$0.00005	\$0.00192	\$0.00005
Fuel Assistance R-2	All kWh	\$0.00085		\$0.00192	\$0.00195	\$0.00192	\$0.00004	\$0.00192	\$0.00005	\$0.00192	\$0.00005	\$0.00192	\$0.00005	\$0.00192	\$0.00005
Optional Time-of-Use R-4	On Peak kWh Off Peak kWh	\$0.00261 (\$0.00076)		\$0.00368 \$0.00031	\$0.00195 \$0.00195	\$0.00368 \$0.00031	\$0.00004 \$0.00004	\$0.00368 \$0.00031	\$0.00005 (\$0.00005)	\$0.00368 \$0.00031	\$0.00005 (\$0.00005)	\$0.00368 \$0.00031	\$0.00005 (\$0.00005)	n/a	n/a
Small Commercial G-1	All kWh	\$0.00082		\$0.00189	\$0.00195	\$0.00189	\$0.00004	\$0.00189	\$0.00005	\$0.00189	\$0.00005	\$0.00189	\$0.00005	\$0.00189	\$0.00005
Large Commercial G-2	All kW All kWh	\$0.29 (\$0.00039)		\$0.29 \$0.00068	\$0.00195 \$0.00195	\$0.29 \$0.00068	\$0.00004 \$0.00004	\$0.29 \$0.00068	\$0.00005 (\$0.00005)	\$0.29 \$0.00068	\$0.00005 (\$0.00005)	\$0.29 \$0.00068	\$0.00005 (\$0.00005)	\$0.29 \$0.00068	\$0.00005 (\$0.00005)
Industrial G-3	All kVa On Peak kWh Off Peak kWh	\$0.21 (\$0.00018) (\$0.00087)		\$0.21 \$0.00089 \$0.00020	\$0.00195 \$0.00195 \$0.00195	\$0.21 \$0.00089 \$0.00020	\$0.00004 \$0.00004 \$0.00004	\$0.21 \$0.00089 \$0.00020	\$0.00005 (\$0.00005) (\$0.00005)	\$0.21 \$0.00089 \$0.00020	\$0.00005 (\$0.00005) (\$0.00005)	\$0.21 \$0.00089 \$0.00020	\$0.00005 (\$0.00005) (\$0.00005)	\$0.21 \$0.00089 \$0.00020	\$0.00005 (\$0.00005) (\$0.00005)
Optional Time-of-Use available to G2 customers G-4	All kW On Peak kWh Off Peak kWh	\$0.35 (\$0.00005) (\$0.00085)		\$0.35 \$0.00102 \$0.00022	\$0.00195 \$0.00195 \$0.00195	\$0.35 \$0.00102 \$0.00022	\$0.00004 \$0.00004 \$0.00004	\$0.35 \$0.00102 \$0.00022	\$0.00005 (\$0.00005) (\$0.00005)	\$0.35 \$0.00102 \$0.00022	\$0.00005 (\$0.00005) (\$0.00005)	\$0.35 \$0.00102 \$0.00022	\$0.00005 (\$0.00005) (\$0.00005)	\$0.35 \$0.00102 \$0.00022	\$0.00005 (\$0.00005) (\$0.00005)
Water Heating and/or Space Heating G5	All kWh	\$0.00075		\$0.00182	\$0.00195	\$0.00182	\$0.00004	\$0.00182	\$0.00005	\$0.00182	\$0.00005	\$0.00182	\$0.00005	\$0.00182	\$0.00005
Optional TOU available to G1 customers G6	On Peak kWh Off Peak kWh	\$0.00194 (\$0.00076)		\$0.00301 \$0.00031	\$0.00195 \$0.00195	\$0.00301 \$0.00031	\$0.00004 \$0.00004	\$0.00301 \$0.00031	\$0.00005 (\$0.00005)	\$0.00301 \$0.00031	\$0.00005 (\$0.00005)	\$0.00301 \$0.00031	\$0.00005 (\$0.00005)	n/a	n/a
Energy Bank Service EB	First 200 kVa All kVa over 200	\$0.00 \$0.21		\$0.00 \$0.21		\$0.00 \$0.21		\$0.00 \$0.21		\$0.00 \$0.21		n/a n/a	n/a n/a	n/a n/a	n/a n/a
Outdoor Lighting S	All kWh	(\$0.00109)		\$0.00000	\$0.00195	\$0.00000	\$0.00004	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000

(1) Sum of the Internal Transmission Charge and the NEP PTF Credit

Fitchburg Gas and Electric Light Company  
Summary of Transmission Luminaire Rates

Outdoor Lighting Service - Luminaire Charges	Lamp Size Lumens	Type of Luminaire	Effective March 1, 1998 through January 31, 1999		Effective February 1, 1999 through May 30, 1999		Effective June 1, 1999 through December 31, 1999		Effective January 1, 2000 through December 31, 2000		Effective January 1, 2001 through December 31, 2001		Effective January 1, 2002 through December 31, 2002		Effective January 1, 2003 through December 31, 2003	
			Per Month	Per Year	Per Month	Per Year	Per Month	Per Year	Per Month	Per Year	Per Month	Per Year	Per Month	Per Year	Per Month	Per Year
Mercury Vapor:	3,500	Residential and Commercial Type	\$0.23	\$ 2.76	\$0.23	\$ 2.76	\$0.23	\$ 2.76	\$0.23	\$ 2.76	\$0.23	\$ 2.76	\$0.23	\$ 2.76	\$0.23	\$ 2.76
	7,000	Residential and Commercial Type	\$0.27	\$ 3.24	\$0.27	\$ 3.24	\$0.27	\$ 3.24	\$0.27	\$ 3.24	\$0.27	\$ 3.24	\$0.27	\$ 3.24	\$0.27	\$ 3.24
	3,500	Street and Highway Type	\$0.23	\$ 2.76	\$0.23	\$ 2.76	\$0.23	\$ 2.76	\$0.23	\$ 2.76	\$0.23	\$ 2.76	\$0.23	\$ 2.76	\$0.23	\$ 2.76
	7,000	Street and Highway Type	\$0.27	\$ 3.24	\$0.27	\$ 3.24	\$0.27	\$ 3.24	\$0.27	\$ 3.24	\$0.27	\$ 3.24	\$0.27	\$ 3.24	\$0.27	\$ 3.24
	20,000	Street and Highway Type	\$0.52	\$ 6.24	\$0.52	\$ 6.24	\$0.52	\$ 6.24	\$0.52	\$ 6.24	\$0.51	\$ 6.12	\$0.52	\$ 6.24	\$0.52	\$ 6.24
	60,000	Street and Highway Type	\$1.02	\$ 12.24	\$1.02	\$ 12.24	\$1.02	\$ 12.24	\$1.02	\$ 12.24	\$1.00	\$ 12.00	\$1.02	\$ 12.24	\$1.02	\$ 12.24
	20,000	Flood Light Type	\$0.56	\$ 6.72	\$0.56	\$ 6.72	\$0.56	\$ 6.72	\$0.56	\$ 6.72	\$0.55	\$ 6.60	\$0.56	\$ 6.72	\$0.56	\$ 6.72
	3,500	Power Bracket Included	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88
	7,000	Power Bracket Included	\$0.29	\$ 3.48	\$0.29	\$ 3.48	\$0.29	\$ 3.48	\$0.29	\$ 3.48	\$0.29	\$ 3.48	\$0.29	\$ 3.48	\$0.29	\$ 3.48
	High Pressure Sodium:	3,300	Residential and Commercial Type	\$0.20	\$ 2.40	\$0.20	\$ 2.40	\$0.20	\$ 2.40	\$0.20	\$ 2.40	\$0.20	\$ 2.40	\$0.20	\$ 2.40	\$0.20
6,600		Residential and Commercial Type	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88
3,300		Street and Highway Type	\$0.20	\$ 2.40	\$0.20	\$ 2.40	\$0.20	\$ 2.40	\$0.20	\$ 2.40	\$0.20	\$ 2.40	\$0.20	\$ 2.40	\$0.20	\$ 2.40
6,600		Street and Highway Type	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88	\$0.24	\$ 2.88
9,500		Street and Highway Type	\$0.39	\$ 4.68	\$0.39	\$ 4.68	\$0.39	\$ 4.68	\$0.39	\$ 4.68	\$0.38	\$ 4.56	\$0.39	\$ 4.68	\$0.39	\$ 4.68
20,000		Street and Highway Type	\$0.56	\$ 6.72	\$0.56	\$ 6.72	\$0.56	\$ 6.72	\$0.56	\$ 6.72	\$0.55	\$ 6.60	\$0.56	\$ 6.72	\$0.56	\$ 6.72
50,000		Street and Highway Type	\$1.19	\$ 14.28	\$1.18	\$ 14.16	\$1.18	\$ 14.16	\$1.18	\$ 14.16	\$1.16	\$ 13.92	\$1.18	\$ 14.16	\$1.18	\$ 14.16
140,000		Street and Highway Type	\$0.64	\$ 7.68	\$0.64	\$ 7.68	\$0.64	\$ 7.68	\$0.64	\$ 7.68	\$0.63	\$ 7.56	\$0.64	\$ 7.68	\$0.64	\$ 7.68
50,000		Flood Light Type														
Ornamental Lighting:		3,300	Street and Highway Type	\$0.16	\$ 1.92			\$0.16	\$ 1.92			\$0.16	\$ 1.92			\$0.16